

CLAIMS

1. Method for manufacturing tubular packs (16) filled with a material, particularly a food, with the following steps:
 - winding a tube (14) filled with the material with an embracing means (24) and an embracing angle of more than 360° in at least two displacement areas (22) in order to form the tubular pack (16), precisely one winding area (40) being produced in the respective displacement area (22), and
 - fixing the embracing means (24) in the displacement area (22) for producing at least one fixing area (46) so that the tubular pack (16) is sealed tightly.
2. Method according to claim 1, wherein the winding effects a displacement of the material in the tube (10) so that substantially no material remains in the displacement area (22).
3. Method according to claim 1 or 2, wherein the material in the tube (10) is displaced prior to winding so that substantially no material remains in the displacement area (22).
4. Method according to one of claims 1 - 3, wherein
prior to winding, the method steps of
 - filling the tube (10) with the material and/or
 - transporting the tube (14) filled with the material and/or,

after fixing, the method step of

- separating the tube (10) in the displacement area (22)

are performed.

5. Method according to claim 4, wherein two fixing areas (46) are produced in the displacement area (22) between which a separation is effected.
6. Method according to one of claims 1 - 5, wherein the fixing is effected in a material-engaging manner, particularly by a supply of energy in the form of heat and/or friction and/or ultrasound and/or electric current.
7. Method according to claim 6, wherein the supply of energy is effected until not only the fixing, but also the separation has been performed.
8. Method according to one of claims 6 or 7, wherein a material engagement of the embracing means (24) with itself and/or with the tube (10) is produced by fixing.
9. Device for manufacturing tubular packs (16) filled with a material, particularly a food, comprising
 - a winding means (32) for winding a tube (14) filled with the material in at least two displacement areas (22) with an embracing means (24) and an embracing angle of more than 360°, and

- a fixing means (42) for fixing the embracing means (24) in the displacement area (22) for producing at least one fixing area (46) so that the tubular pack (16) is tightly sealed.

10. Device according to claim 9, characterized in that the winding means (32) comprises a tension element (58) exerting a tensile force upon the embracing means (24), which is particularly so large that, upon winding the tube (14) filled with the material with the embracing means (24), a displacement of the material in the tube (10) is effected so that substantially no material is left in the displacement area (22).
11. Device according to claim 9 or 10, characterized by a displacing means (26) which, by means of a squeezing tool (28,30) in particular, produces a displacement of the material in the tube (10) so that substantially no material is left in the displacement area (22).
12. Device according to one of claims 9 - 11, characterized by a providing means for arranging a holding element, particularly a sausage suspending means, at least partially on the tube top side in a portion of the displacement area (22).
13. Device according to one of claims 9 - 12, characterized in that the fixing means (42) comprises an energy supply means for introducing energy into the displacement area (22), particularly in the form of heat and/or friction and/or ultrasound and/or electric current.
14. Device according to one of claims 9 - 13, characterized by a separating means for separating the tube (10) in the displacement area (22).

15. Tubular pack, particularly producible by a method according to one of claims 1 - 8, comprising

- a tube (10) enveloping a material, particularly a food,
- a first end of the tube (18) arranged in a first displacement area (22) wound with an embracing means (24), and
- a second end of the tube (20) arranged in a second displacement area (22) wound with the embracing means (24),
- the first end (18) and the second end (20) each ending in the displacement area (22) in a tapering manner.

16. Tubular pack according to claim 15, characterized in that the embracing means (24) is fixed in the displacement area (22) so that the tubular pack (16) is tightly sealed.

17. Tubular pack according to claim 15 or 16, characterized in that the first end (18) and/or the second end (20) end in a material-engaging manner.